

ALSAN® COATING AC 401

Single-Component, Water-Based Acrylic Coating

PRODUCT DATA SHEET PDS10378 - REV 230721



APPLICATIONS

ROOFING

PRODUCT NUMBERS:

- L-AACW5 - 5 gal (18.9 L) Pail - Bright white
- L-AACCC5 - 5 gal (18.9 L) Pail - Custom color
- L-AACW55 - 55 gal (208 L) Drum - Bright white
- L-AACCC55 - 55 gal (208 L) Drum - Custom color

Standard color is white, for custom colors contact customer services for lead times and product availability.

DESCRIPTION & FEATURES:

ALSAN COATING AC 401 is a high quality, single component, water-based, acrylic elastomeric roof coating and protective barrier for various low-slope roof surfaces and substrates. Upon cure, **ALSAN COATING AC 401** forms a durable, weatherproof coating that is highly resistant to degradation from UV and natural weathering.

- Highly reflective, bright white finish reduces rooftop temperatures and radiant heat transfer for increased energy savings
- Suitable for use on common roof types, including single-ply (PVC, EPDM, and CSPE), modified bitumen, BUR and metal roofing
- Environmentally friendly and VOC-compliant
- Meets or exceeds all properties of ASTM D6083

AVAILABLE COLORS:



APPLICATION:



BRUSH



ROLLER



SPRAY

Thoroughly mix the coating before application. All surfaces must be dry and free of dirt, debris, algae, mildew, oil, talc, loose granules or any other foreign matter that may prohibit adhesion. **ALSAN COATING AC 401** can be applied using a brush, roller or airless spray equipment. Apply at a minimum rate of 1.0 gallons per 100 ft² for a minimum dry film thickness (DFT) of 9 mils.

Refer to the SOPREMA Roof Coatings Technical Manual for complete application guidelines.

STORAGE:

Store the container in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Storage temperature range should be between 50°F (10°C) and 80°F (26.7°C). Approximate shelf life is 24 months from date of manufacture when properly stored, sealed and unmixed.

LIMITATIONS

SOPREMA advises that adhesion/peel tests be performed before application to ensure adequate bond can be achieved or if a primer or other specific surface preparation is required.

For best results, ambient and surface temperatures must be between 50 - 95°F (10 - 35°C). Do not attempt application if ice, snow, moisture, or dew are present or expected within 24 hours of application.



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TECHNICAL INFORMATION & TESTING:

APPROXIMATE COVERAGE RATES

SUBSTRATE PROFILE	COVERAGE RATE PER COAT* gal/100 ft ² (L/m ²)	MINIMUM THICKNESS Wet mils (mm)	MINIMUM THICKNESS Dry mils (mm)
METAL SINGLE-PLY (PVC & EPDM) MODIFIED BITUMEN	1.0 - 1.5 (0.21 - 0.31)	16 - 24 (0.41 - 0.61)	8.0 - 13.2 (0.2 - 0.33)

* See project specification for total coverage rate based on the substrate and warranty requirements.

TYPICAL PROPERTIES**

PROPERTY	VALUE	ASTM TEST METHOD
Technology	Acrylic	-
ASTM	D6083	-
Color	White or Light Gray	-
Drying time @ 75°F (24°C) @ 50% RH,* minutes	90	-
Next layer @ 75°F (24°C) @ 50% RH,* hours	> 6	-
Full cure @ 75°F (24°C) @ 50% RH,* hours	30	-
Tensile strength, psi	310 +/- 20	D2370
Elongation, %	315 +/- 20	D2370
Permeability	9	D1653 (Method B, Condition A)
Solids by volume, %	55 +/- 3	D1653
Solids by weight, %	68.4 +/- 3	D1644
Viscosity, cP	10,000	D2196 (Method A)
Density, lb/gal	11.9	D1644
Fungi resistance	Pass	G21
Ambient temperature, °F (°C)	50 - 95 (10 - 35)	-
Substrate temperature, °F (°C)	50 - 120 (10 - 48.9)	-
Storage temperature, °F (°C)	50 - 80 (10 - 26.7)	-
Cleanup	Warm Soapy Water	-
Shelf life	24 months	-
VOC content, g/L	< 50	EPA Method 24

* Drying times are dependent on temperature, humidity and film thickness.

** Data is represented by average values, unless noted otherwise.

TESTING & APPROVALS:



FLORIDA BUILDING CODE

HVHZ FL24512



NOA # 20-0908.05



WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.

SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

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APPLICATIONS

ROOFING

SUSTAINABILITY



VOC CONTENT
LOW EMITTING

< 50 g/L

COOL ROOF RATING

PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
ALSAN COATING AC 401 Bright White CRRC Product ID: 0772-0061	0.86 Initial	0.69 3 year	0.88 Initial	0.91 3 year	108 Initial	85 3 year

CRRC published results for Solar Reflectance, Thermal Emittance and SRI results were tested and evaluated in accordance with ASTM C1549, C1371, E1980, D7897 and the CRRC-1 Product Rating Program Manual.